



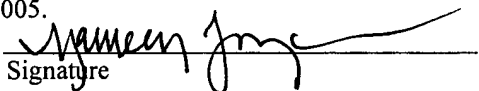
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Scott E. Miller et al.
Serial No.: 10/664,046
Confirmation No.: 2591
Filed: September 16, 2003
For: DETERMINATION AND/OR CONTROL OF REACTOR ENVIRONMENTAL
CONDITIONS

Examiner: Not yet assigned
Art Unit: 1744

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to MAIL STOP AMENDMENT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the 22 day of April, 2005.


Signature

MAIL STOP AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL

Sir:


Transmitted herewith are the following documents:

- Information Disclosure Statement
- PTO Form 1449 with cited references
- Return Receipt Postcard

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617) 646-8000, Boston, Massachusetts.

No check is enclosed. If a fee is required, please charge to Deposit Account 23/2825. A duplicate of this sheet is enclosed.

Respectfully submitted,

By: 
Timothy J. Oyer, Ph.D., Reg. No. 36,628
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600 Atlantic Avenue
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Telephone: (617) 646-8000

Docket No.: B1102.70027US00
Date: April 22, 2005
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PART II: Information Cited

The Applicants hereby make of record in the above-identified application the information listed on the attached form PTO-1449 (modified). The order of presentation of the references should not be construed as an indication of the importance of the references.

PART III: Remarks

Documents cited anywhere in the Information Disclosure Statement are enclosed unless otherwise indicated. It is respectfully requested that:

1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
2. The enclosed form PTO-1449 be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;
3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicants make no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

By submitting this Information Disclosure Statement, the Applicants make no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

By submitting this Information Disclosure Statement, the Applicants make no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Notwithstanding any statements by the Applicants, the Examiner is urged to form his own conclusion regarding the relevance of the cited information.

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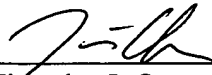
- 4 -

Art Unit: 1744

An early and favorable action is hereby requested.

Respectfully submitted,

By:

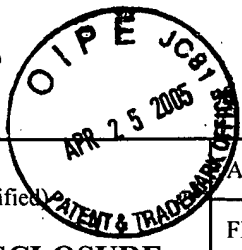


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FORM PTO-1449/A and B (Modified)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

APPLICATION NO.: 10/664,046

ATTY. DOCKET NO.: B1102.70027US00

FILING DATE: September 16, 2003

CONFIRMATION NO.: 3249

APPLICANT: Scott E. Miller et al.

GROUP ART UNIT: 1744

EXAMINER: Not yet assigned

Sheet 1 of 1

U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM/DD/YYYY
		Number	Kind Code		
	A176	4,038,151		Fadler et al.	07/26/1977
	A177	4,116,775		Charles et al.	09/06/1978
	A178	4,118,280		Charles et al.	01/12/1978
	A179	4,318,994		Meyer et al.	03/09/1982
	A180	5,858,770		Pearlman	01/12/1999
	A181	6,632,656	B1	Thomas et al.	10/14/2003
	A182	6,770,434	B2	Shvets et al.	08/03/2004
	A183	6,837,927	B2	David	01/04/2005
	A184	6,857,449	B1	Chow	02/22/2005
	A185	2003/0022203	A1	Kumar	01/30/2003
	A186	2003/0082632	A1	Shumate	05/01/2003
	A187	2004/0029213	A1	Callahan et al.	02/12/2004
	A188	2004/0058408	A1	Thomas et al.	03/25/2004
	A189	2004/0077075	A1	Jensen et al.	04/22/2004
	A190	2005/0014129	A1	Cliffel et al.	01/20/2005
	A191	2005/0019902	A1	Mathies et al.	01/27/2005
	A192	2005/0028587	A1	Baer et a.	02/10/2005
	A193	2005/0037471	A1	Liu et al.	02/17/2005

FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document MM/DD/YYYY	Translation (Y/N)
		Office/ Country	Number	Kind Code			
	B20	WO	03/066876	A2	Vanderbilt University	08/14/2003	
	B21	WO	03/093406	A2	Massachusetts Institute of Technology	11/13/2003	
	B22	WO	2004/076647	A2	The Regents of the University of California	09/10/2004	

OTHER ART — NON PATENT LITERATURE DOCUMENTS

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
	C15	Office Action dated 11/30/04 from U.S. Serial No. 09/707,852	
	C16	Office Action dated 01/11/05 from U.S. Serial No. 10/119,917	

EXAMINER:

DATE CONSIDERED:

#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.